1/29



#3

OIPE

RAW SEQUENCE LISTING DATE: 02/11/2002 PATENT APPLICATION: US/09/923,625 TIME: 09:35:25

Input Set : A:\00-713-B1 seq list.txt
Output Set: N:\CRF3\02112002\1923625.raw

```
3 <110> APPLICANT: Mirkin, Chad A.
                                                               ENTERED
             Letsinger, Robert L.
      5
             Mucic, Robert C.
     6
             Storhoff, James J.
     7
             Elghanian, Robert
     9 <120> TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
             AND USES THEREFOR
     12 <130> FILE REFERENCE: 00-713-B1
     14 <140> CURRENT APPLICATION NUMBER: 09/923,625
C--> 15 <141> CURRENT FILING DATE: 2002-01-15
     17 <150> PRIOR APPLICATION NUMBER: 09/240,755
     18 <151> PRIOR FILING DATE: 1999-01-29
     20 <150> PRIOR APPLICATION NUMBER: PCT/US97/12783
     21 <151> PRIOR FILING DATE: 1997-07-21
     23 <150> PRIOR APPLICATION NUMBER: 60/031,809
     24 <151> PRIOR FILING DATE: 1996-07-29
     26 <160> NUMBER OF SEQ ID NOS: 42
     28 <170> SOFTWARE: Microsoft Word 2000
     30 <210> SEO ID NO: 1
     31 <211> LENGTH: 20
     32 <212> TYPE: DNA
     33 <213> ORGANISM: Artificial Sequence
     35 <220> FEATURE:
     36 <223> OTHER INFORMATION: Description of Artificial Sequence: random
             synthetic sequence
     39 <400> SEQUENCE: 1
     40 aaacgactct agcgcgtata
                                                                           20
     43 <210> SEQ ID NO: 2
     44 <211> LENGTH: 20
     45 <212> TYPE: DNA
     46 <213> ORGANISM: Artificial Sequence
     48 <220> FEATURE:
     49 <223> OTHER INFORMATION: Description of Artificial Sequence: random
             synthetic sequence
     52 <400> SEQUENCE: 2
                                                                           20
     53 atggcaacta tacgcgctag
     56 <210> SEQ ID NO: 3
     57 <211> LENGTH: 16
     58 <212> TYPE: DNA
     59 <213> ORGANISM: Artificial Sequence
     61 <220> FEATURE:
     62 <223> OTHER INFORMATION: Description of Artificial Sequence:random
             synthetic sequence
```

RAW SEQUENCE LISTING DATE: 02/11/2002 PATENT APPLICATION: US/09/923,625 TIME: 09:35:25

Input Set : A:\00-713-B1 seq list.txt
Output Set: N:\CRF3\02112002\1923625.raw

65 <400> SEQUENCE: 3 66 ccttgagatt tccctc 16 69 <210> SEQ ID NO: 4 70 <211> LENGTH: 16 71 <212> TYPE: DNA 72 <213> ORGANISM: Artificial Sequence 74 <220> FEATURE: 75 <223> OTHER INFORMATION: Description of Artificial Sequence: random synthetic sequence 78 <400> SEQUENCE: 4 79 gagggaaatc tcaagg 16 82 <210> SEQ ID NO: 5 83 <211> LENGTH: 18 84 <212> TYPE: DNA 85 <213> ORGANISM: Artificial Sequence 87 <220> FEATURE: 88 <223> OTHER INFORMATION: Description of Artificial Sequence:random synthetic sequence 91 <400> SEQUENCE: 5 92 aacttgcgct aatggcga 18 95 <210> SEQ ID NO: 6 96 <211> LENGTH: 26 97 <212> TYPE: DNA 98 <213> ORGANISM: Artificial Sequence 100 <220> FEATURE: 101 <223> OTHER INFORMATION: Description of Artificial Sequence: random 102 · synthetic sequence 104 <400> SEQUENCE: 6 26 105 aagttgcgct ttacggctaa tggcga 108 <210> SEQ ID NO: 7 109 <211> LENGTH: 15 110 <212> TYPE: DNA 111 <213> ORGANISM: Artificial Sequence 113 <220> FEATURE: 114 <223> OTHER INFORMATION: Description of Artificial Sequence:random synthetic sequence 117 <400> SEQUENCE: 7 15 118 tctccttccc ttttc 121 <210> SEQ ID NO: 8 122 <211> LENGTH: 15 123 <212> TYPE: DNA 124 <213> ORGANISM: Artificial Sequence 126 <220> FEATURE: 127 <223> OTHER INFORMATION: Description of Artificial Sequence:random 128 synthetic sequence 130 <400> SEQUENCE: 8 15 131 gaaaagggaa ggaga 134 <210> SEQ ID NO: 9

135 <211> LENGTH: 15



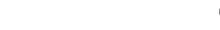
Input Set : A:\00-713-B1 seq list.txt
Output Set: N:\CRF3\02112002\1923625.raw

136 <212> TYPE: DNA 137 <213> ORGANISM: Artificial Sequence 139 <220> FEATURE: 140 <223> OTHER INFORMATION: Description of Artificial Sequence: random synthetic sequence 143 <400> SEQUENCE: 9 15 144 cttttccctt cctct 147 <210> SEQ ID NO: 10 148 <211> LENGTH: 28 149 <212> TYPE: DNA 150 <213> ORGANISM: Artificial Sequence 152 <220> FEATURE: 153 <223> OTHER INFORMATION: Description of Artificial Sequence: random synthetic sequence 156 <400> SEQUENCE: 10 28 157 aaacgactct agcgcgtata gttgccat 160 <210> SEQ ID NO: 11 161 <211> LENGTH: 28 162 <212> TYPE: DNA 163 <213> ORGANISM: Artificial Sequence 165 <220> FEATURE: 166 <223> OTHER INFORMATION: Description of Artificial Sequence: random 167 synthetic sequence 169 <400> SEQUENCE: 11 28 170 atggcaacta tacgcgctag agtcgttt 173 <210> SEQ ID NO: 12 174 <211> LENGTH: 15 175 <212> TYPE: DNA 176 <213> ORGANISM: Artificial Sequence 178 <220> FEATURE: 179 <223> OTHER INFORMATION: Description of Artificial Sequence: random synthetic sequence 182 <400> SEQUENCE: 12 15 183 cctatcgacc atgct 186 <210> SEQ ID NO: 13 187 <211> LENGTH: 30 188 <212> TYPE: DNA 189 <213> ORGANISM: Artificial Sequence 191 <220> FEATURE: 192 <223> OTHER INFORMATION: Description of Artificial Sequence: random synthetic sequence 195 <400> SEQUENCE: 13 30 196 agcatggtcg ataggaaacg actctagcgc 199 <210> SEQ ID NO: 14 200 <211> LENGTH: 15 201 <212> TYPE: DNA 202 <213> ORGANISM: Artificial Sequence 204 <220> FEATURE: 205 <223> OTHER INFORMATION: Description of Artificial Sequence:random

RAW SEQUENCE LISTING DATE: 02/11/2002 PATENT APPLICATION: US/09/923,625 TIME: 09:35:25

Input Set : A:\00-713-B1 seq list.txt
Output Set: N:\CRF3\02112002\1923625.raw

206 synthetic sequence 208 <400> SEQUENCE: 14 209 gcgctagagt cgttt 15 212 <210> SEQ ID NO: 15 213 <211> LENGTH: 30 214 <212> TYPE: DNA 215 <213> ORGANISM: Artificial Sequence 217 <220> FEATURE: 218 <223> OTHER INFORMATION: Description of Artificial Sequence: random synthetic sequence 219 221 <400> SEQUENCE: 15 30 222 agcatggtcg ataggatggc aactatacgc 225 <210> SEQ ID NO: 16 226 <211> LENGTH: 24 227 <212> TYPE: DNA 228 <213> ORGANISM: Artificial Sequence 230 <220> FEATURE: 231 <223> OTHER INFORMATION: Description of Artificial Sequence: random synthetic sequence 234 <400> SEQUENCE: 16 24 235 gtcgatagga aacgactcta gcgc 238 <210> SEQ ID NO: 17 239 <211> LENGTH: 30 240 <212> TYPE: DNA 241 <213> ORGANISM: Artificial Sequence 243 <220> FEATURE: 244 <223> OTHER INFORMATION: Description of Artificial Sequence: random synthetic sequence 247 <400> SEQUENCE: 17 30 248 agcatggttg ataggaaacg actctagcgc 251 <210> SEQ ID NO: 18 252 <211> LENGTH: 30 253 <212> TYPE: DNA 254 <213> ORGANISM: Artificial Sequence 256 <220> FEATURE: 257 <223> OTHER INFORMATION: Description of Artificial Sequence: random synthetic sequence 260 <400> SEQUENCE: 18 261 agcatgtttg ataggaaacg actctagcgc 30 264 <210> SEQ ID NO: 19 265 <211> LENGTH: 12 266 <212> TYPE: DNA 267 <213> ORGANISM: Artificial Sequence 269 <220> FEATURE: 270 <223> OTHER INFORMATION: Description of Artificial Sequence: random synthetic sequence 273 <400> SEQUENCE: 19 12 274 tctcaactcg ta 277 <210> SEQ ID NO: 20



12

24

24

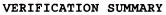
24

24

RAW SEQUENCE LISTING DATE: 02/11/2002 PATENT APPLICATION: US/09/923,625 TIME: 09:35:25

Input Set : A:\00-713-B1 seq list.txt
Output Set: N:\CRF3\02112002\1923625.raw

- 278 <211> LENGTH: 12 279 <212> TYPE: DNA
- 280 <213> ORGANISM: Artificial Sequence
- 282 <220> FEATURE:
- 283 <223> OTHER INFORMATION: Description of Artificial Sequence:random
- 284 synthetic sequence
- 286 <400> SEQUENCE: 20
- 287 cgcattcagg at
- 290 <210> SEQ ID NO: 21
- 291 <211> LENGTH: 24
- 292 <212> TYPE: DNA
- 293 <213> ORGANISM: Artificial Sequence
- 295 <220> FEATURE:
- 296 <223> OTHER INFORMATION: Description of Artificial Sequence: random
- 297 synthetic sequence
- 299 <400> SEQUENCE: 21
- 300 tacgagttga gagagtgccc acat
- 303 <210> SEQ ID NO: 22
- 304 <211> LENGTH: 24
- 305 <212> TYPE: DNA
- 306 <213> ORGANISM: Artificial Sequence
- 308 <220> FEATURE:
- 309 <223> OTHER INFORMATION: Description of Artificial Sequence: random
- 310 synthetic sequence
- 312 <400> SEQUENCE: 22
- 313 tacgagttga gaatcctgaa tgcg
- 316 <210> SEQ ID NO: 23
- 317 <211> LENGTH: 24
- 318 <212> TYPE: DNA
- 319 <213> ORGANISM: Artificial Sequence
- 321 <220> FEATURE:
- 322 <223> OTHER INFORMATION: Description of Artificial Sequence:random
- 323 synthetic sequence
- 325 <400> SEQUENCE: 23
- 326 tacqaqttqa qaatcctqaa tqct
- 329 <210> SEQ ID NO: 24
- 330 <211> LENGTH: 24
- 331 <212> TYPE: DNA
- 332 <213> ORGANISM: Artificial Sequence
- 334 <220> FEATURE:
- 335 <223> OTHER INFORMATION: Description of Artificial Sequence:random
- 336 synthetic sequence
- 338 <400> SEQUENCE: 24
- 339 tacgagttga gactcctgaa tgcg
- 342 <210> SEQ ID NO: 25
- 343 <211> LENGTH: 23
- 344 <212> TYPE: DNA
- 345 <213> ORGANISM: Artificial Sequence
- 347 <220> FEATURE:



PATENT APPLICATION: US/09/923,625

DATE: 02/11/2002

TIME: 09:35:26

Input Set : A:\00-713-B1 seq list.txt
Output Set: N:\CRF3\02112002\I923625.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date